

WP 3 Ecosystem Valorization

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What are Ecosystem services

"the benefits people obtain from ecosystems"

Supporting services: primary production,... Provisioning services: food, energy,... Regulating service: purification of water and air, carbon sequestration,... Cultural services: recreation,...

ES of Blue Bio activities:

Mussels: food production, nutrient recovery, coastal protection,...

Oysters: coastal protection, nursery effect,...

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Ecosystem approach

Are these ecosystem services important for a Region?

- Can be local food production, but also product towards retail
- Can be protection,...
- Can be regional productplacement (food+tourism+..),...
- Opportunities for nature inclusive design for other activities

-...

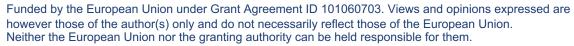
But our activities off/nearshore have an impact: apply the ECOSYSTEM APPROACH Our activities in relation with the environment:

-Can we reduce those negative impacts?

-Can we use or reinforce the positive effects of certain ES?

-Can we give a value to the ES?







Ecosystem approach

Why a value?

*Create awareness, willingness or obligation to influence positively the ES, even if its not directly provide economic value for the company when validating impacts

*Quantification and valuation of ecosystem services provides decision-makers (in both industry and policy) the possibility to consider trade-offs between alternative management scenarios: -Lesser ecological impact if food has marine origin in comparison to land-originated -Healthier: also a long term win for governmental cost?

*Ecosystem approach can enhance public support and thus give the different players a licence to operate.





Ecosystem approach

How to give a value?

Difficulties:

*complexity of cumulative impacts *Need of data, and specific monitoring *....

 \rightarrow Developent of Framework and tools

BlueBiocluster: create an awareness tool for Ecosystem Approach. Input from different projects, (examples Blauwe Cluster: see QR)







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